#2 OIPE

RAW SEQUENCE LISTING DATE: 01/28/2002
PATENT APPLICATION: US/10/010,229 TIME: 11:32:05

Input Set : N:\Crf3\RULE60\10010229.raw
Output Set: N:\CRF3\01282002\J010229.raw

<110> APPLICANT: Le, Junming
Vilcek, Jan
Daddona, Peter
Ghrayeb, John
Knight, David M.
Siegel, Scott
<120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
Human Tumor Necrosis Factor
<130> FILE REFERENCE: 0975.1005-013
<140> CURRENT APPLICATION NUMBER: 10/010,229
<141> CURRENT FILING DATE: 2001-12-07
<150> PRIOR APPLICATION NUMBER: US/09/927,703
<151> PRIOR FILING DATE: 2001-08-10
<160> NUMBER OF SEQ ID NOS: 19
<170> SOFTWARE: FastSEQ for Windows Version 4.0
<210> SEQ ID NO: 1
<211> LENGTH: 157
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

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Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
 1               5                  10                  15
Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
            20                  25                  30
Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
        35                  40                  45
Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
    50                  55                  60
Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
65                  70                  75                  80
Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
                85                  90                  95
Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
            100                 105                 110
Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
        115                 120                 125
Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
    130                 135                 140
Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
145                 150                 155
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<210> SEQ ID NO: 2
<211> LENGTH: 321
<212> TYPE: DNA

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<213> ORGANISM: Mus Balb/c
<220> FEATURE:
<221> NAME/KEY: CDS
<222> LOCATION: (1)...(321)
<400> SEQUENCE: 2

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gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga   48
Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 1               5                  10                  15
gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc   96
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
            20                  25                  30
atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata   144
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
        35                  40                  45
aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc   192
Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
    50                  55                  60
agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct   240
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
65                  70                  75                  80
gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc   288
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
                85                  90                  95
acg ttc ggc tcg ggg aca aat ttg gaa gta aaa                       321
Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
            100                 105
```

<210> SEQ ID NO: 3
<211> LENGTH: 107
<212> TYPE: PRT
<213> ORGANISM: Mus Balb/c
<400> SEQUENCE: 3

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Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 1               5                  10                  15
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
            20                  25                  30
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
        35                  40                  45
Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
    50                  55                  60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
65                  70                  75                  80
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
                85                  90                  95
Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
            100                 105
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<210> SEQ ID NO: 4
<211> LENGTH: 357
<212> TYPE: DNA
<213> ORGANISM: Mus Balb/c

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Input Set : N:\Crf3\RULE60\10010229.raw
Output Set: N:\CRF3\01282002\J010229.raw

98 <220> FEATURE:
99 <221> NAME/KEY: CDS
100 <222> LOCATION: (1)...(357)
101 <400> SEQUENCE: 4
102 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
103 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
104 1 5 10 15
105 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
106 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
107 20 25 30
108 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
109 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
110 35 40 45
111 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
112 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
113 50 55 60
114 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
115 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
116 65 70 75 80
117 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
118 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
119 85 90 95
120 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
121 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
122 100 105 110
123 ggc acc act ctc aca gtc tcc 357
124 Gly Thr Thr Leu Thr Val Ser
125 115
127 <210> SEQ ID NO: 5
128 <211> LENGTH: 119
129 <212> TYPE: PRT
130 <213> ORGANISM: Mus Balb/c
131 <400> SEQUENCE: 5
132 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
133 1 5 10 15
134 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
135 20 25 30
136 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
137 35 40 45
138 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
139 50 55 60
140 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
141 65 70 75 80
142 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
143 85 90 95
144 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
145 100 105 110
146 Gly Thr Thr Leu Thr Val Ser
147 115

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Input Set : N:\Crf3\RULE60\10010229.raw
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<210> SEQ ID NO: 6
<211> LENGTH: 8
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 6
Gly Thr Leu Val Thr Val Ser Ser
1 5
<210> SEQ ID NO: 7
<211> LENGTH: 7
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 7
Gly Thr Lys Leu Glu Ile Lys
1 5
<210> SEQ ID NO: 8
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 8
cctggatacc tgtgaaaaga 20
<210> SEQ ID NO: 9
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 9
cctggtacct tagtcaccgt ctcctca 27
<210> SEQ ID NO: 10
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 10
aatagatatc tccttcaaca cctgcaa 27
<210> SEQ ID NO: 11
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 11
atcgggacaa agttggaaat a 21
<210> SEQ ID NO: 12
<211> LENGTH: 16
<212> TYPE: DNA

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Input Set : N:\Crf3\RULE60\10010229.raw
Output Set: N:\CRF3\01282002\J010229.raw

<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 12
ggcggtctgg taccgg 16
<210> SEQ ID NO: 13
<211> LENGTH: 19
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 13
gtcaacaaca tagtcatca 19
<210> SEQ ID NO: 14
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 14
cacaggtgtg tccccaagga aaa 23
<210> SEQ ID NO: 15
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 15
aatctggggt aggcacaa 18
<210> SEQ ID NO: 16
<211> LENGTH: 17
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 16
agtgtgtgtc cccaagg 17
<210> SEQ ID NO: 17
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR oligonucleotides
<400> SEQUENCE: 17
cacagctgcc cgcccaggtg gcat 24
<210> SEQ ID NO: 18
<211> LENGTH: 17
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/010,229

DATE: 01/28/2002
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Input Set : N:\Crf3\RULE60\10010229.raw
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